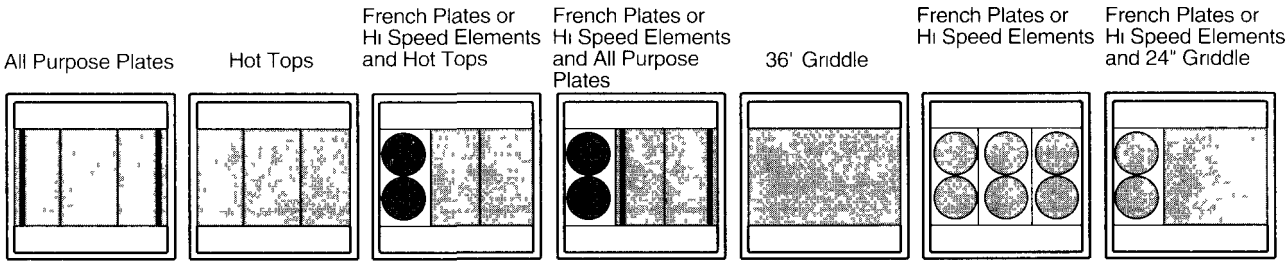
REPLACEMENT PARTS MANUAL
FOR ELECTRIC HEAVY DUTY RANGE
WITH CONVECTION OVEN (MODEL: VRC SERIES)
ML-52111 & ML-52955 thru ML-52960

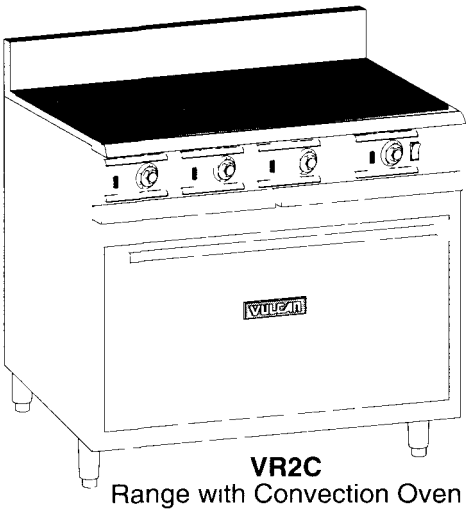
VRC SERIES

VULCAN-HART COMPANY, P.O. BOX 696, LOUISVILLE, KY 40201 -0696, TEL. (502) 778-2791

FORM 30822 (10-93)

RANGE TOP CONFIGURATIONS



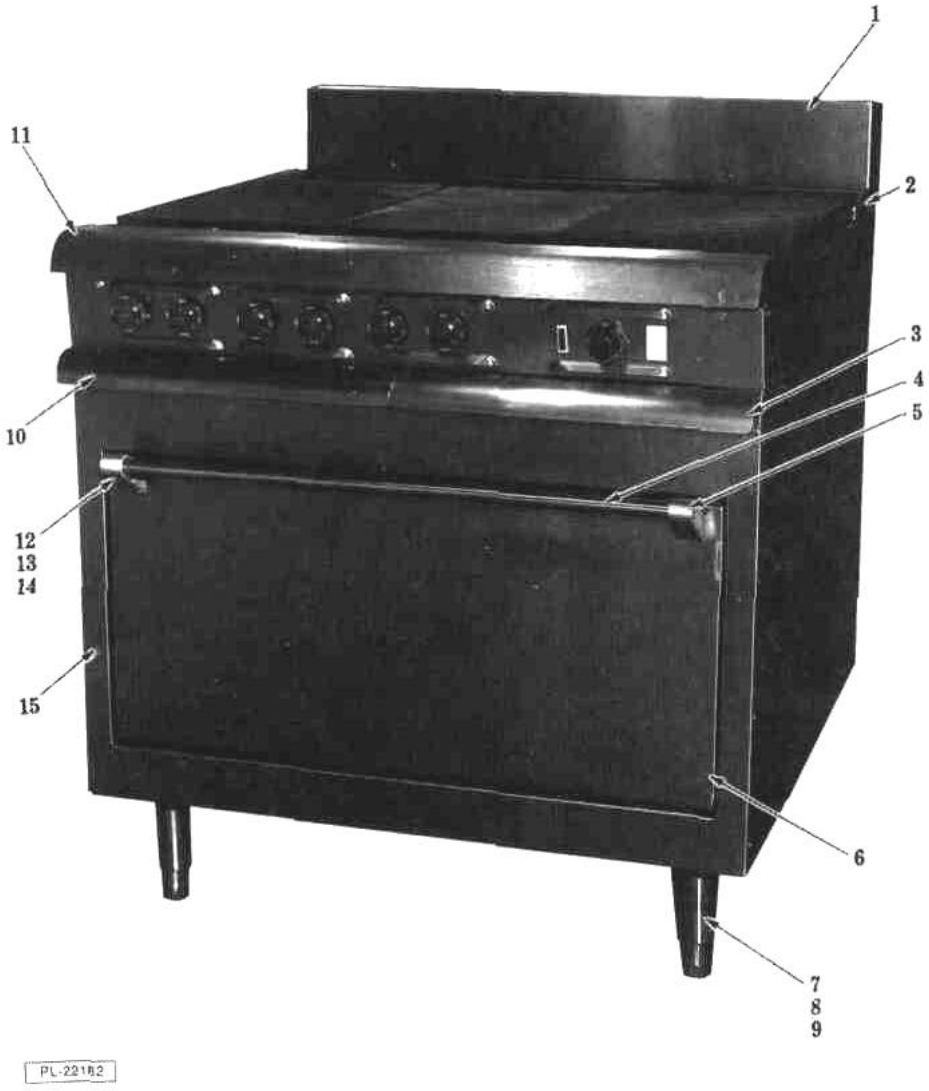


VR2C
Range with Convection Oven

PL - 51288

TABLE OF CONTENTS

Page	Description
5	VRC Series Parts List
6	VRC Oven Cavity Area
7	VRC Unit Rear View
9	Breaker Box Area
11	Breaker Box Area-Micro Switch
13	VRC Oven Door Mechanism Parts
14	Griddle Plate Assembly
15	All Purpose Plate
16	French Plates & Hi Speed Elements
17	Hot Tops
18	Oven Elements- VRC Series
19	Control Panel VR6C 480 Volt
20	Control Panel VR1C 208/240 Volt
21	Control Panel VR2C 208/240 Volt
22	Control Panel VR2C 480 Volt
23	Control Panel VR3C 208/240 Volt
24	Control Panel VR4C 208/240 Volt
25	Control Panel VR1C & VR3C 480 Volt
26	Control Panel VR5C 208/240 Volt
27	Control Panel VR5C 480 Volt
28	Control Panel VR6C 208/240 Volt
29	Control Panel VR7C 480 Volt
30	Control Panel VR4C 480 Volt
31	Control Panel VR7C 208/240 Volt



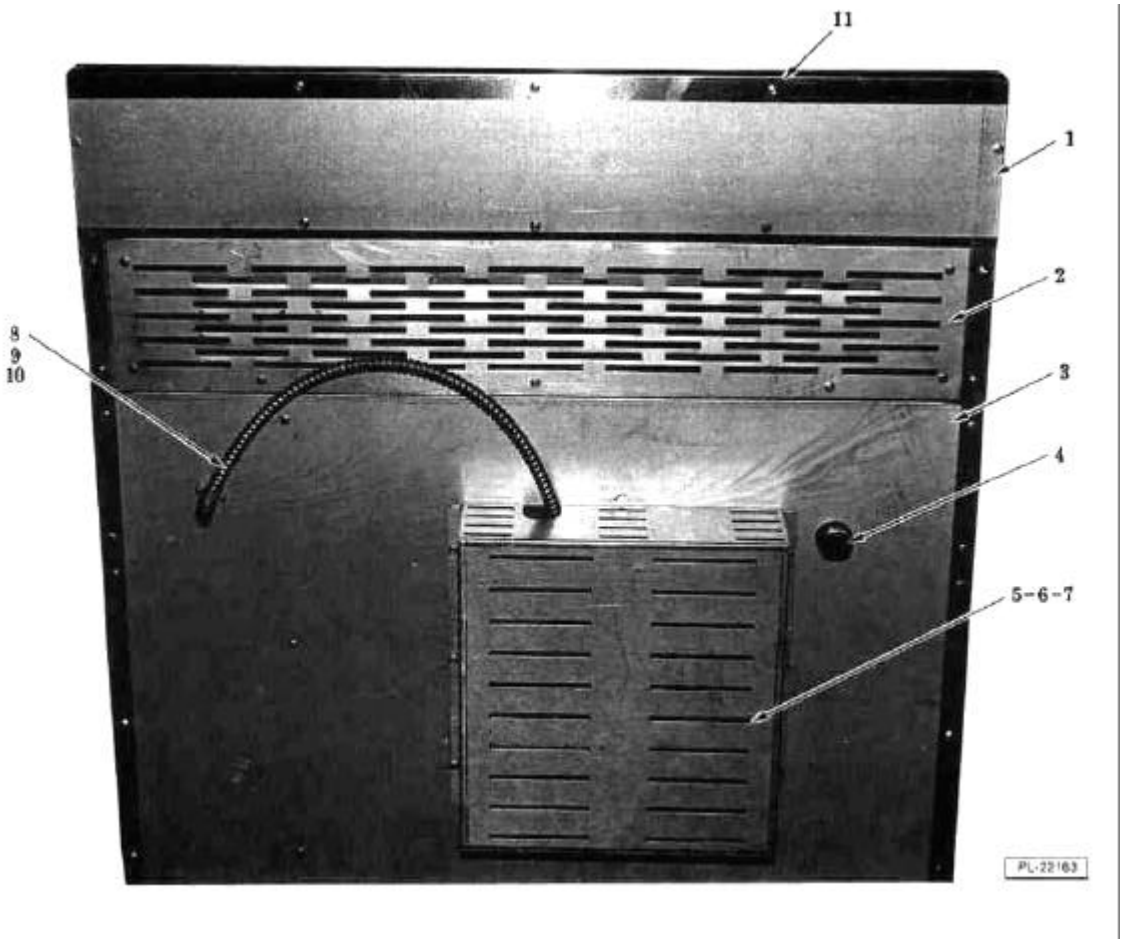
VRC SERIES

VRC SERIES PARTS LIST

ILLUS. PL-22182	PART NO.	NAME OF PART	AMT
1	411319-G1	Back Splash Assy	1
2	410107-G2	Back - Top	1
3	420098-21	Handle - Drip Tray (R H)	1
4	401847-2	Handle - Door	1
5	404549-3	Post - Door (R H)	1
6	413876-G1	Door Assy (Incls items 4, 5 12, 13 & 14)	1
7	409840-6	Leg SST	4
8	410118-1	Caster	2
9	410118-2	Caster W/Brake	2
10	420098-20	Handle - Drip Tray (L H)	1
11	410105-G2	Top - Front	1
12	404549-4	Post - Door (L H)	1
13	SC-120-22	Mach Screw 3/8-16x 1 1/4 Rd Hd	2
14	PB-4-73	Plug Button	2
15	413565-G1	Frame Panel - Front	1
	412895-2	Tray - Drip (R H)	1
	412896-G1	Tray - Drip (L H)	1
	412672-G1	Side - Body (R H)(PTD)	1
	412672-G2	Side - Body (L H)(PTD)	1
		* NOTE VR1C is shown in photo	

VRC OVEN CAVITY AREA

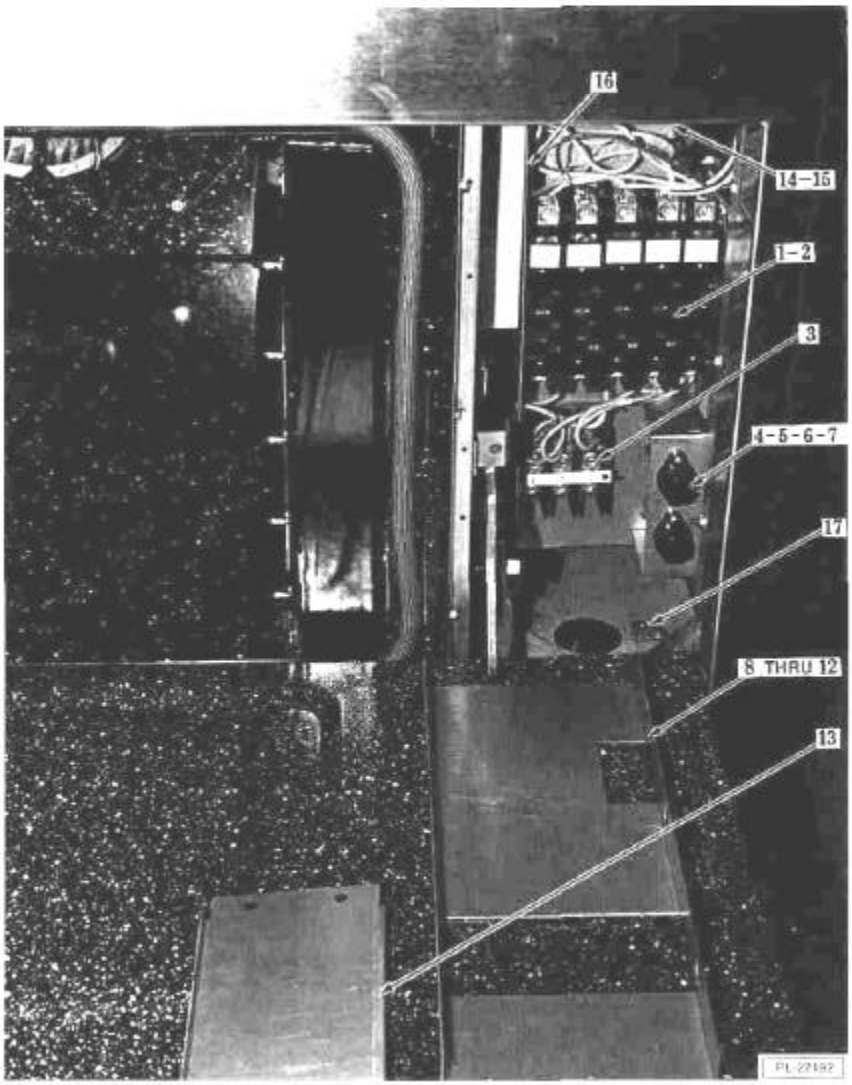
ILLUS. PL-22184	PART NO.	NAME OF PART	AMT.
1	419899-2	Liner - Side R.H	1
2	419238-2	Support - Oven Rack R.H	1
3	419615-1	Gasket- Oven Door	1
4	413951-2	Clip - Rack Support	8
5	419898-2	Bottom - Cavity	1
6	419239-1	Rack - Oven	3
7	419238-1	Support - Oven Rack L.H.	1
8	415780-11	Wheel - Blower	1
9	413840-1	Thermostat - Hi Limit	1
10	419895-1	Back - Cavity	1
11	419899-1	Liner-Side L.H	1
12	419898-1	Top - Cavity	1



VRC UNIT REAR VIEW

ILLUS. PL-22183	PART NO.	NAME OF PART	AMT.
1	411382-1	Back - Back Splash	1
2	420100-20	Box - Burner Back	1
3	419909-G1	Body Assy. - Back	1
4	419910-G1	Tube Assy. - Vent	1
5	420564-1	Guard - Motor	1
6	413994-2	Motor 1/4 H.P., 240V	1
7	413994-3	Motor (480V)	1
8	414540-B35	Conduit	1
9	FE-2-3	Connector - Conduit 3/8 TS Straight	1
10	FE-2-52	Connector - Conduit 3/8 TS 90 Deg.	1
11	420094-20G1	Vent- Upper Assy.	1

* NOTE: Motor is located behind the motor guard.



ELECTRICAL COMPONENTS
(CONVECTION OVEN/RANGE)

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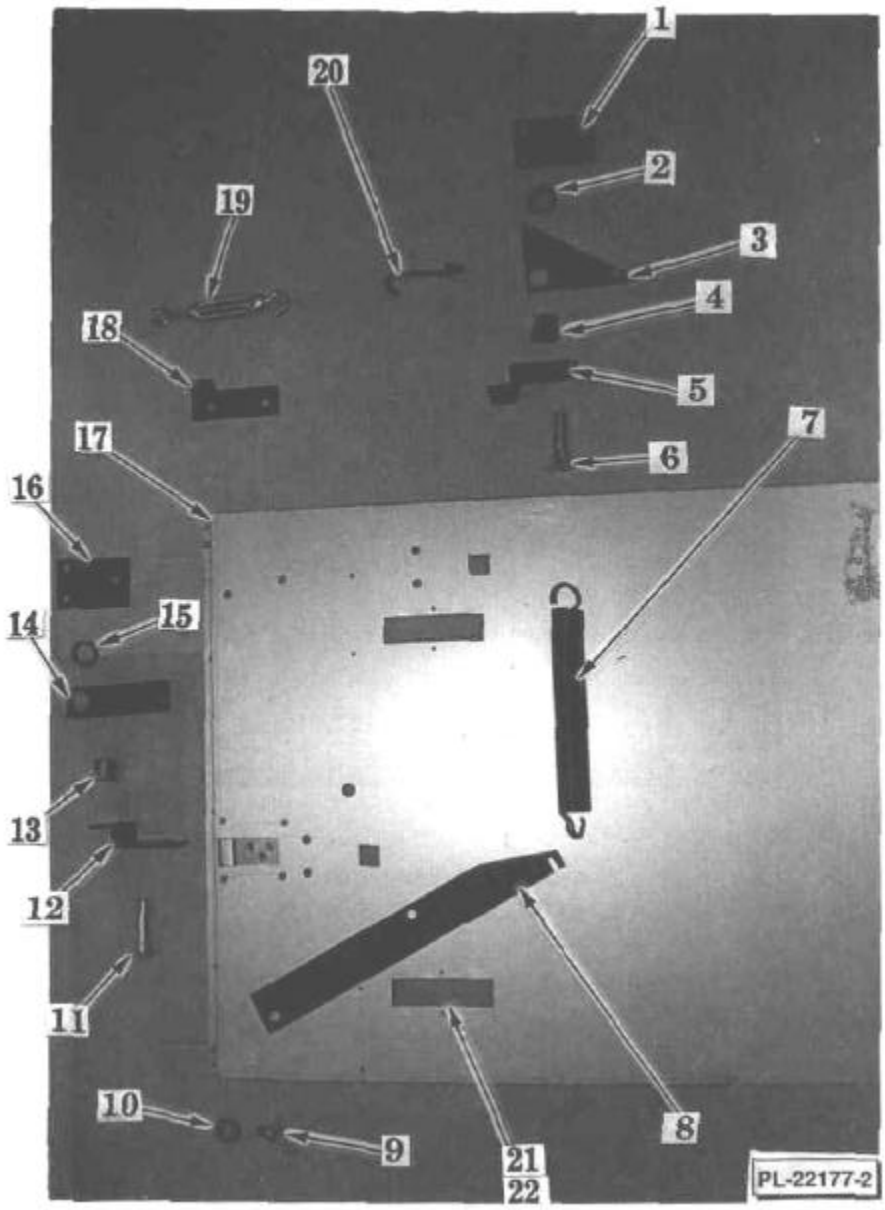
(CONVECTION OVEN/RANGE)

ILLUS. PL-22192	PART NO.	NAME OF PART	AMT.
1	411501 14	Circuit Breaker 50 Amp (Use on 208 240 V Machines)	6
2	411497-C2	Contactor (3 Pole, 240 V)(Use on 480 V Machines)	1
3	410472-11	Terminal Block (3 Pole)	1
4	FE-17-47	Fuse (3 Amp , 250 V)(Use on 480 V Machines)	1
5	FE-23-19	Holder - Fuse (Use W/Item 4)	1
6	FE-19 40	Fuse (15 Amp , 300 V)(Use on 208 - 240 V Machines)	2
7	FE-23 55	Holder - Fuse (Use W/Item 6)	2
8	419863-1	Cover - Terminal Block	1
9	412578-2	Cover - Breaker (480 V)	1
10	419862-1	Cover - Enclosure (208 - 240 V)(Shown)	1
11	419868-1	Cover - Enclosure (480 V)	1
12	412048-1	Cover Plate - Breaker (480 V)	1
**13	406708-G1	Door - Breaker Panel	1
14	411497-D3	Contactor (4 Pole, 240 V)(Use on 208 - 240 V Machines)	1
15	411497-C5	Contactor (3 Pole, 240 V)(Use on 480 V Machines)	1
16	419861-G1	Box - Electrical Enclosure	1
17	417856-1	Lug - Grounding (With Set Screw)	1
	417934-G1	Block Assy - Porcelain	3
	411500-6	Transformer 50 VA (Use on 480 V Machines)	1
	FE-23-56	Bushing - Electrical Snap	AR
		* 208 - 240 V Model Shown	
		** Give Model, Serial Number & Electrical Spec	

BREAKER BOX AREA
(CONVECTION OVENS ONLY)

BREAKER BOX AREA
(CONVECTION OVENS ONLY)

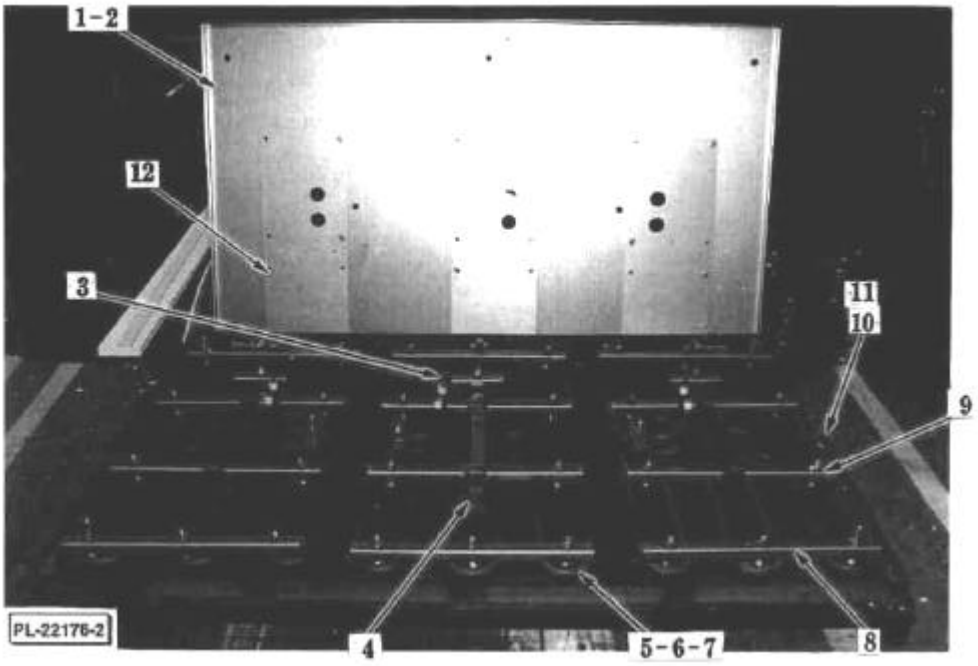
ILLUS. PL-22193	PART NO.	NAME OF PART	AMT.
1	411496-F1	Switch - Micro	1
2	415486-1	Insulator - Micro Switch	1
3	419903-G1	Mounting Assy Door Switch	1
4	419906-1	Clip - Switch Mount Support	1



OVEN DOOR MECHANISM PARTS

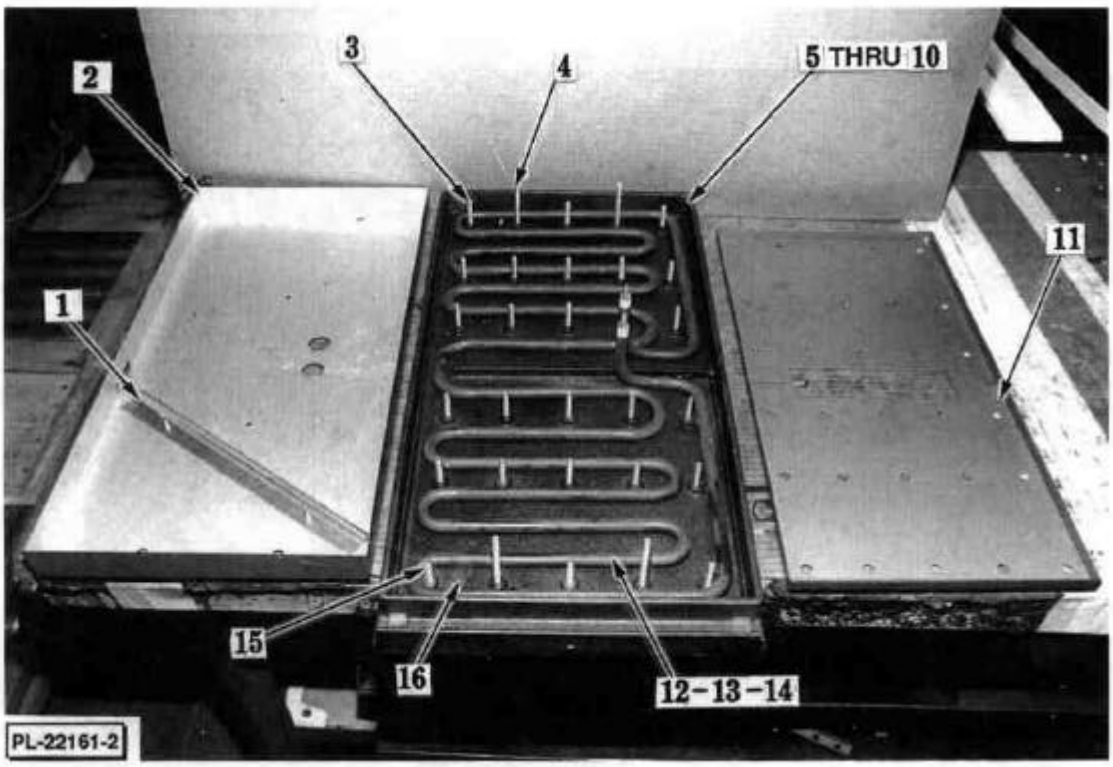
OVEN DOOR MECHANISM PARTS

ILLUS. PL-22177-2	PART NO.	NAME OF PART	AMT.
1	408895-G1	Crank Support Assy	1
2	409240 2	Spacer - 3/4 Pipe x 7/16 Lg	1
3	410111-1	Crank- Bell	1
4	404629-1	Bearing - Hinge Pin	1
5	408896-1	Support - Crank	1
6	SC-90-1	Bolt - Shoulder 1/2-13 x 2 Hex Hd	1
7	406363-1	Spring - Door (Long)	1
8	419932-G1	Arm - Door Control	1
9	417860-1	Bolt - Shoulder 3/8-16 x 3/4 Hex Hd	1
10	417806-1	Spacer Door	2
11	SC-90-1	Bolt - Shoulder 1/2-13 x 2 Hex Hd	1
12	408896-1	Support Crank	1
13	404629-1	Bearing Hinge Pin	1
14	410090-G1	Radius Bar Assy	1
15	409240-1	Spacer - 3/4 x 5/16 Lg	1
16	408895-G1	Crank Support Assy	1
17	412858-G1	Division Assy	1
18	410110-1	Anchor - Spring	1
19	417874-1	Buckle - Turn	1
20	405618-1	Hook - Oven Door	1
21	419933-1	Cover Plate - Top	1
22	419933-2	Cover Plate - Bottom	1
	412887-G1	Door Frame Assy	1
	417862-1	Pin - Door Hinge	2



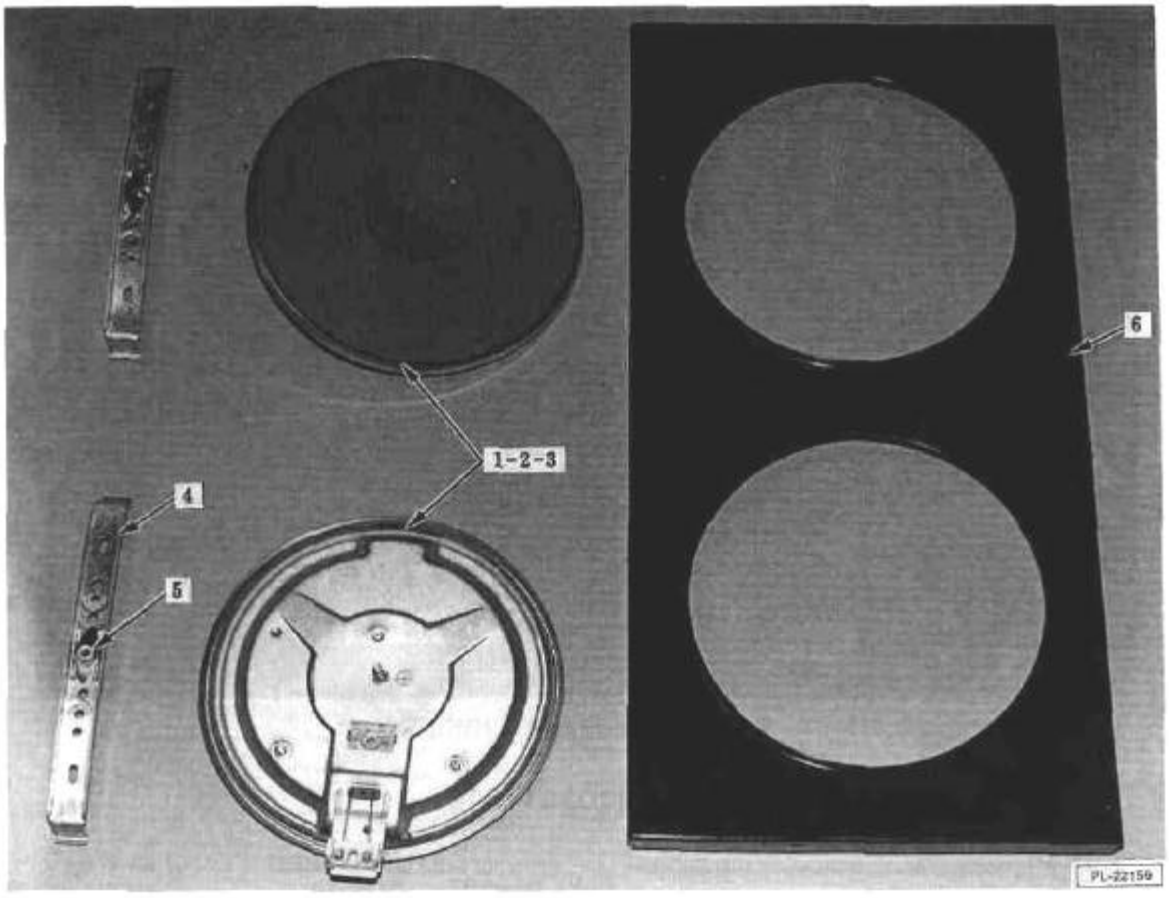
GRIDDLE PLATE ASSEMBLY

ILLUS. PL-22176-2	PART NO.	NAME OF PART	AMT. VR5C	AMT. VR7C
1	412693-1	Cover - Griddle Base	1	-
2	419754-1	Cover - Griddle Base	-	1
3	420467-20	Clamp – Element	6	4
4	420385-1	Cover - Thermostat Bulb	3	2
5	411967-4	Element - Electric Heat (208 V.)	3	2
6	411967-5	Element - Electric Heat (240 V.)	3	2
7	411967-3	Element - Electric Heat (480 V.)	3	2
8	412691-G1	Retainer Assy. - Inner Element	6	4
9	412690-1	Retainer - Outer Element	6	4
10	419760-G1	Plate - Griddle 24" (VR7C)	-	1
11	412689-G1	Plate - Griddle 36" (VR5C)	1	-
12	412694-1	Plate-Closure	3	2
	420390-1	Back Splash	1	-
	419753-1	Back Splash	-	1
	412692-G1	Plate Assy.-Griddle 36" (Complete)(208V.) (Incls. Items 1,3,4,5,8,9,11,12 & Back Splash)	1	-
	412692-G2	Plate Assy.-Griddle 36" (Complete)(240V.) (Incls. Items 1,3,4,6,8,9,11,12 & Back Splash)	1	-
	412692-G3	Plate Assy.-Griddle 36" (Complete)(480V.) (Incls. Items 1,3,4,7,8,9,11,12 & Back Splash)	1	-



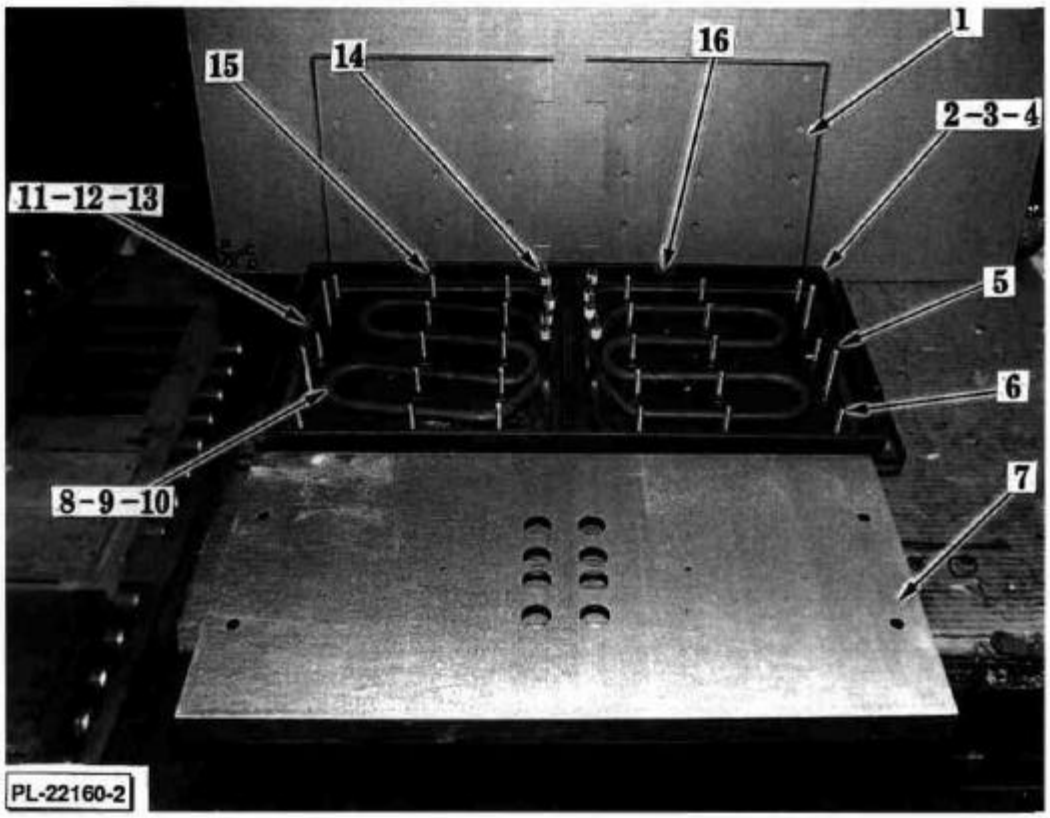
ALL PURPOSE PLATE

ILLUS. PL-22161-2	PART NO.	NAME OF PART	AMT.
1	413513-1	Thermostat Clamp	1
2	414449-2	Cover - Insulating	1
3	417852-2	Stud (1/4-20 x1 1/4Lg.)	26
4	417852-3	Stud (1/4-20 x 2-1/2 Lg.)	4
5	412585-G4	Plate Assy.-All Purpose (W/Trough 208 V.) (Complete) (Incls. Items 1,2,3,4,11,12,15 & 16)	AR
6	412585-G5	Plate Assy.-All Purpose (WTrough 240 V.) (Complete) (Incls. Items 1,2,3,4,11,13,15 & 16)	AR
7	412585-G6	Plate Assy.-All Purpose (W/Trough 480 V.) (Complete) (Incls. Items 1,2,3,4,11,14,15 & 16)	AR
8	412585-G7	Plate Assy.-All Purpose (W/O Trough 208 V.) (Complete) (Incls. Items 1,2,3,4,11,12,15 & 16)	AR
9	412585-G8	Plate Assy.-All Purpose (W/O Trough 240 V.) (Complete) (Incls. Items 1,2,3,4,11,13,15 & 16)	AR
10	412585-G9	Plate Assy.-All Purpose (W/O Trough 480 V.) (Complete) (Incls. Items 1,2,3,4,11,14,15 & 16)	AR
11	414452-1	Clamp - Element Plate	2
12	413452-1	Element - Electric Heat (208 V.)	1
13	413452-2	Element - Electric Heat (240 V.)	1
14	413452-3	Element - Electric Heat (480 V.)	1
15	NS-44-14	Nut- 1/4-20 Hex "Keps"	34
16	408581-1	Insulation	1
	420118-20	Bar-Triple Tie	2
	420118-23	Bar-Double Tie	2
		* Quantities are per assembly.	



FRENCH PLATE ASSEMBLY

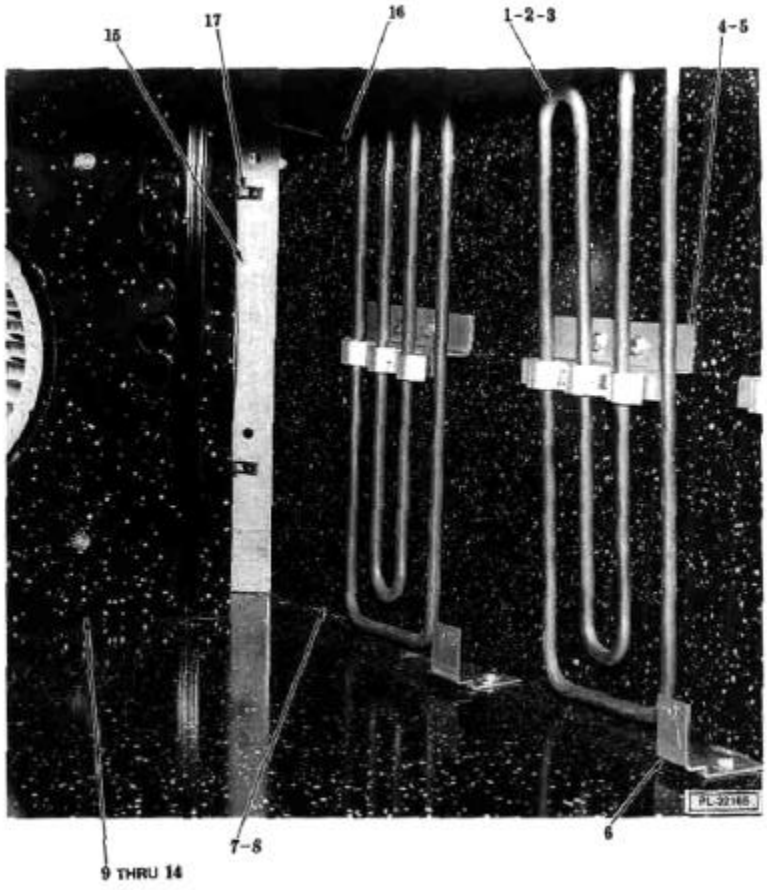
ILLUS. PL-22159	PART NO.	NAME OF PART	AMT.
1	415050-1	Plate - French (208 V.)	AR
2	415050-2	Plate - French (240 V.)	AR
3	415050-3	Plate - French (480 V.)	AR
4	415048-1	Clamp	AR
5	415050-N	Nut	AR
6	420473-G3	Top-Cooking	AR
	415049-1	Strap Jumper (480 V. Only)	AR
	417847-G1	Element Assy. Hi Speed (208 V.)	AR
	417847-G2	Element Assy. Hi Speed (240 V.)	AR



HOT TOPS

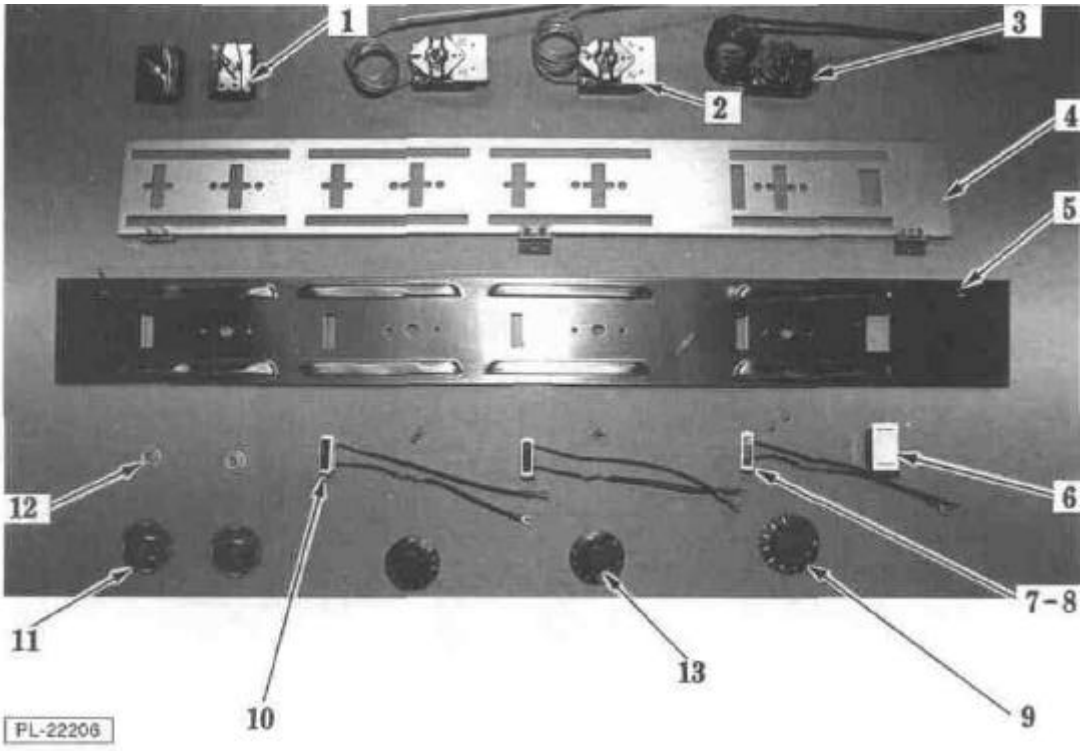
ILLUS. PL-22160-2	PART NO.	NAME OF PART	AMT.
1	414452-1	Clamp - Element Plate	2
2	412585-G10	Plate Assy. Hot Top (208 V.)(Complete)(Incls.items 1, 5, 6, 7, 8, 11, 14, 15 & 16)	AR
3	412585-G11	Plate Assy. Hot Top (240 V.)(Complete)(Incls.items 1, 5, 6, 7, 9, 12, 14, 15 & 16)	AR
4	412585-G12	PlateAssy.HotTop(480V.)(Complete)(Incls.items1,5,6,7, 10,13, 14, 15 & 16)	AR
5	417852-3	Stud (1/4-20 x 2-1/2 Lg.)	4
6	417852-2	Stud (1/4-20 x 1 1/4 Lg.)	26
7	414449-1	Insulating Pan Cover	1
8	410780-2	Inner Element (208 V.)	2
9	410780-3	Inner Element (240 V.)	2
10	410780-1	Inner Element (480 V.)	2
11	410778-2	Outer Element (208 V.)	2
12	410778-3	Outer Element (240 V.)	2
13	410778-1	Outer Element (480 V.)	2
14	420514-2	Strap –Jumper	2
15	NS-44-14	Nut - 1/4-20 Hex "Keps"	34
16	408581-1	Insulation	1
	420118-20	Bar-Triple Tie	2
	420118-23	Bar-Double Tie	2

Quantities are per assembly.



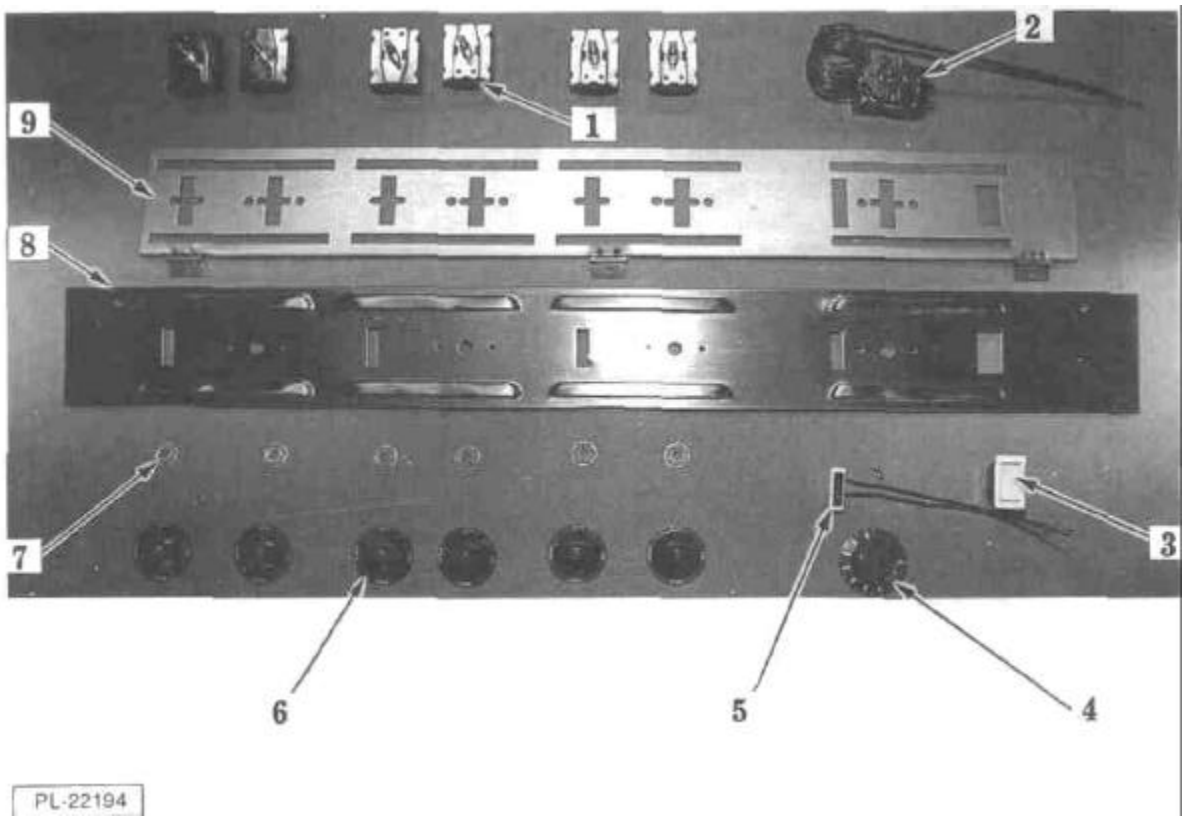
ELECTRIC HEAT ELEMENTS
(CONVECTION OVENS)

ILLUS. PL-22185	PART NO.	NAME OF PART	AMT.
1	419671-1	Elements (208V.)	6
2	419671-2	Elements (240V.)	6
3	419671-3	Elements (480V.)	6
4	412636-1	Bracket- Element	6
5	412636-2	Bracket - Element	6
6	412699-1	Bracket- Liner	4
7	419896-1	Side-Cavity R.H	1
8	419897-1	Side-Cavity L.H	1
9	419894-1	Guard - Fan	1
10	419908-G1	Support- Motor& Fan Housing	1
11	413987-2	Plate - Motor Mount	1
12	416286-1	Insulation (Motor to Mounting Plate)	1
13	411289-1	Spacer - Fan Housing (1/8 Pipe x *2 7/8)*	4
14	412630-1	Spacer 7/8 O.D. x 5/8 Lg	4
15	419907-1	Diverter- Air	2
16	410430-1	Grommet	1
17	412502-1	Clips- Bulb	2



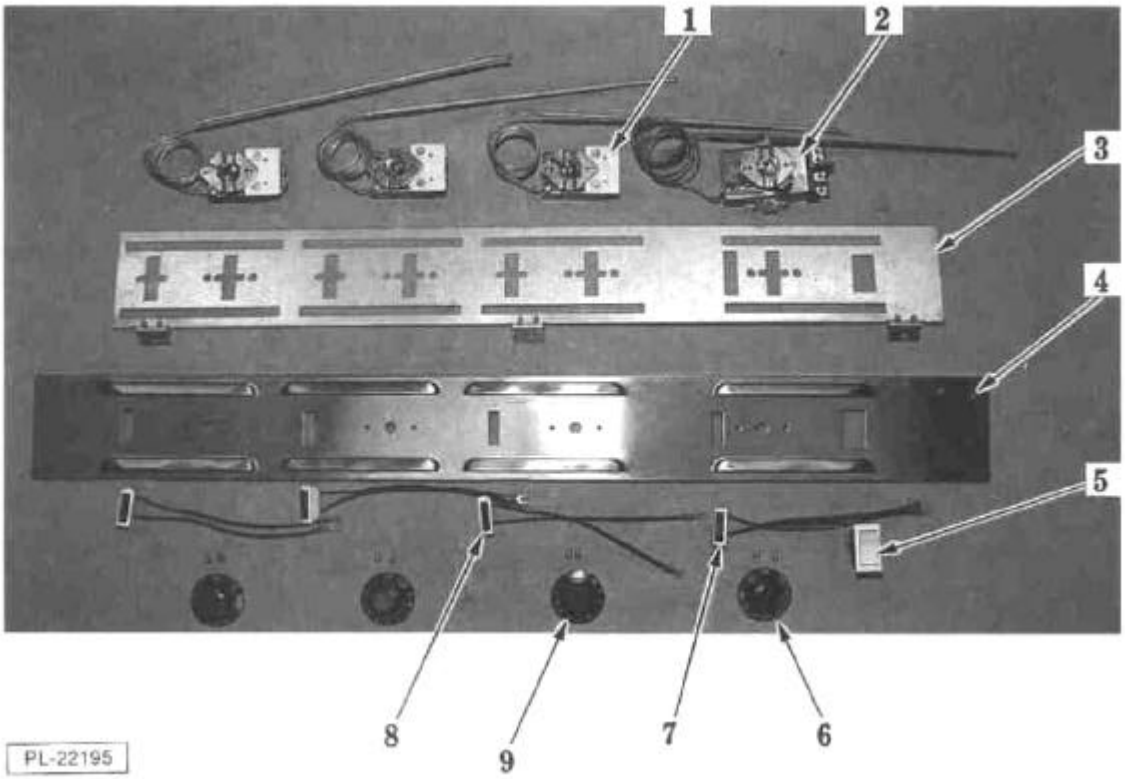
CONTROL PANEL - VR6C 480 VOLT

ILLUS. PL-22206	PART NO.	NAME OF PART	AMT.
1	355798-1	Switch - 3 Heat Selector	2
2	411506-1	Thermostat - All Purpose Plate (Incls.item 13)	2
3	411506-11	Thermostat Oven	1
4	419901-G1	Stiffener	1
5	419900-G1	Panel – Control	1
6	411496-B1	Switch – Rocker	1
7	411496-E5	Indicator Light - Oven	1
8	417876-1	Resistor - 300K	3
9	417490-1	Dial – Thermostat	1
10	411496-E4	Indicator Light - All Purpose Plate	2
11	413558-1	Knob - Three Heat Switch	2
12	NS-47-80	Locknut 3/8-24 Special Palnut	2
13	418061-1	Knob - All Purpose Plate	2
	417934-G1	Block Assy. – Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



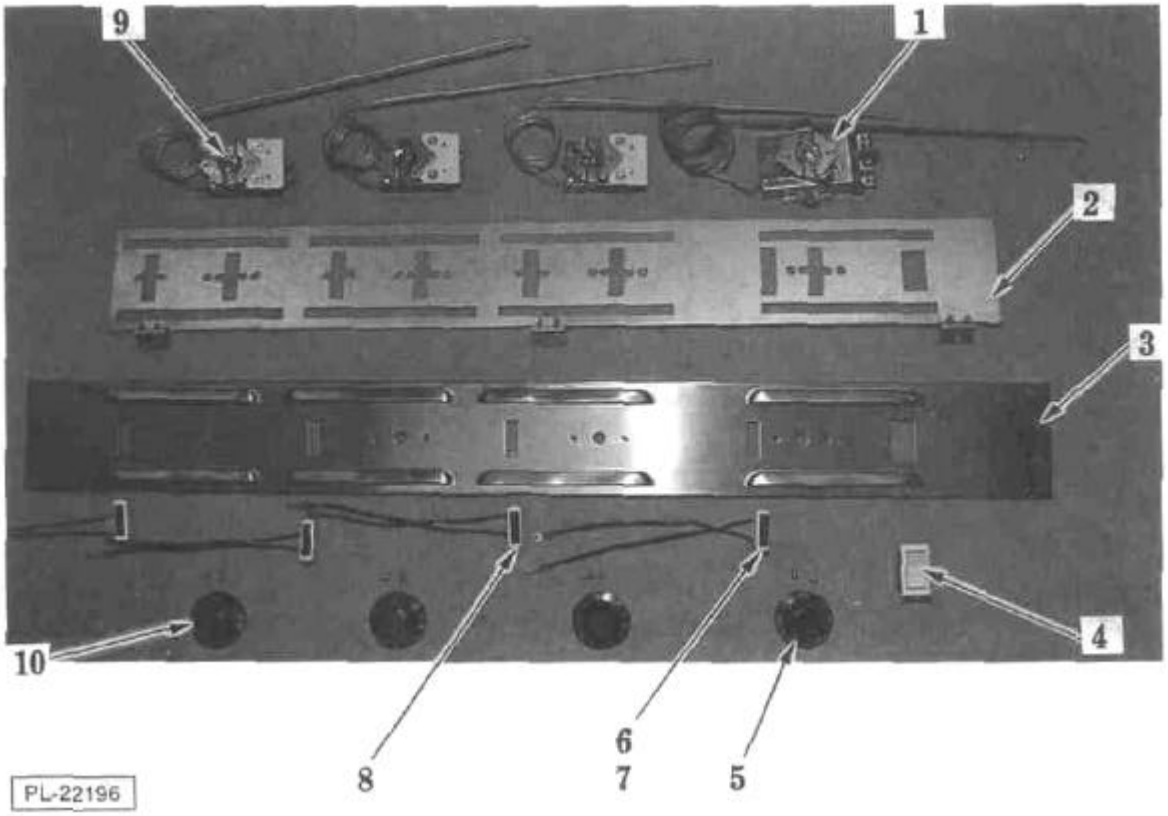
CONTROL PANEL - VR1C
208/240 VOLT

ILLUS. PL-22194	PART NO.	NAME OF PART	AMT.
1	355798-1	Switch - 3 Heat Selector	6
2	411506-11	Thermostat- Oven	1
3	411496-B1	Switch - Rocker	1
4	417490-1	Dial – Thermostat	1
5	411496-E5	Indicator Light - Oven	1
6	413558-1	Knob - Three Heat Switch	6
7	NS-47-80	Locknut 3/8-24 Special Palnut	6
8	419900-G1	Panel – Control	1
9	419901-G1	Stiffener	1
	417934-G1	Block Assy. – Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



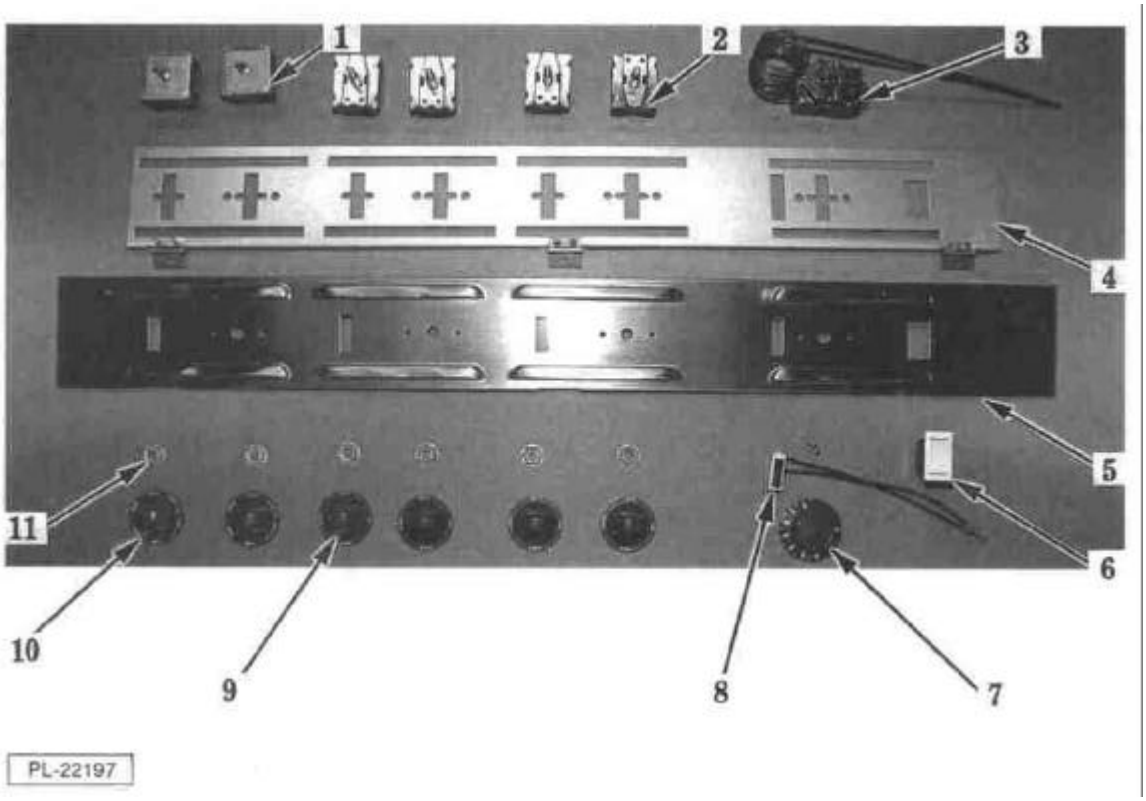
CONTROL PANEL - VR2C
208/240 VOLT

ILLUS. PL-22195	PART NO.	NAME OF PART	AMT.
1	411506-1	Thermostat - All Purpose Plate (Incis item 9)	3
2	411506-11	Thermostat - Oven	1
3	419901-&1	Stiffener	1
4	419900-G1	Panel - Control	1
5	411496-B1	Switch - Rocker	1
6	417490-1	Dial - Thermostat	1
7	411496-E5	Indicator Light - Oven	1
8	411496-E4	Indicator Light - All Purpose Plate	3
9	418061-1	Knob - All Purpose Plate	3
	417934-G1	Block Assy - Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



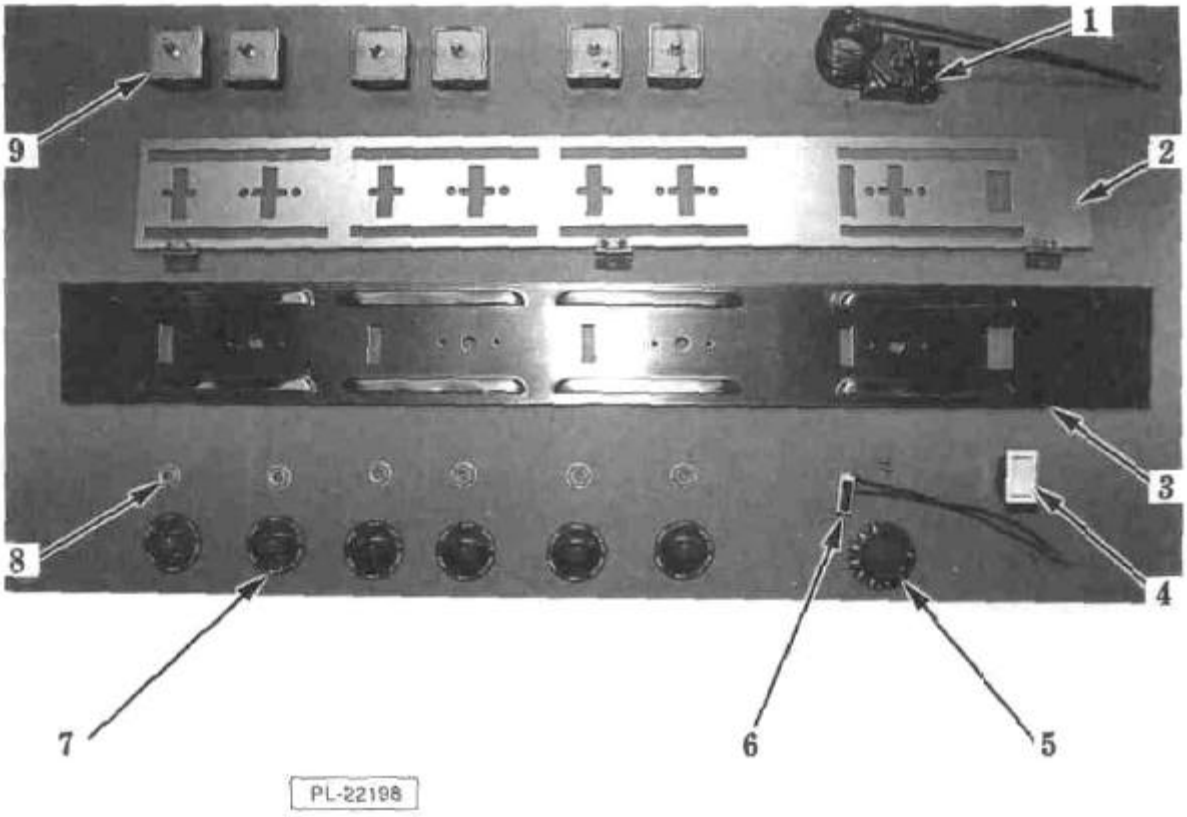
CONTROL PANEL - VR2C 480 VOLT

ILLUS. PL-22196	PART NO.	NAME OF PART	AMT.
1	411506-11	Thermostat-Oven	1
2	419901-G1	Stiffener	1
3	419900-G1	Panel-Control	1
4	411496-B1	Switch - Rocker	1
5	417490-1	Dial –Thermostat	1
6	411496-E5	Indicator Light Oven	1
7	417876-1	Resistor- 300K	4
8	411496-E4	Indicator Light - All Purpose Plate	3
9	411506-1	Thermostat-All Purpose Plate (Incls. item 10)	3
10	418061-1	Knob - All Purpose Plate	3
	417934-G1	Block Assy. Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



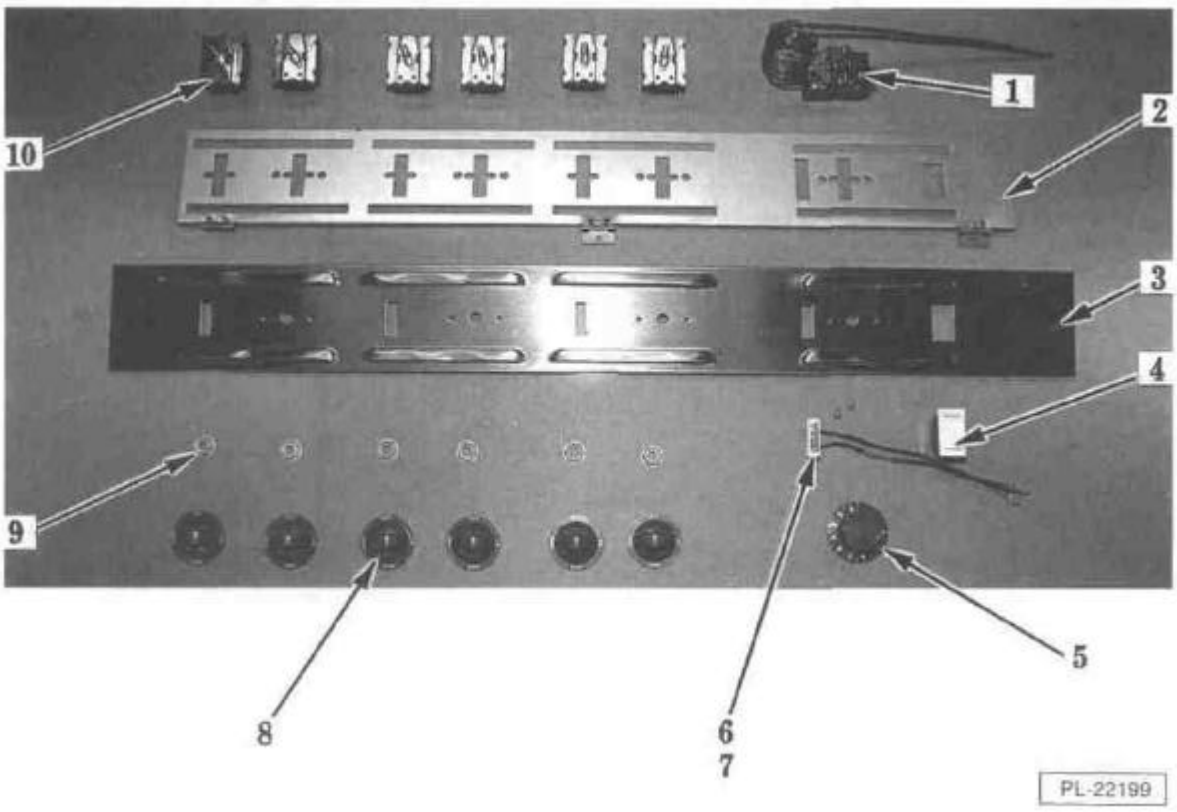
CONTROL PANEL - VR3C
208/240 VOLT

ILLUS. PL-22197	PART NO.	NAME OF PART	AMT.
1	411503-4	Switch - Infinite (208/240 V.)	2
2	355798-1	Switch - 3 Heat Selector	4
3	411506-11	Thermostat Oven	1
4	419901-G-k	Stiffener	1
5	419900-G1	Panel - Control	1
6	411496-B1	Switch - Rocker	1
7	417490-1	Dial –Thermostat	1
8	411496-E5	Indicator Light - Oven	1
9	413558-1	Knob - Three Heat Switch	4
10	412251-1	Knob - Infinite Switch	2
11	NS-47-80	Locknut 3/8-24 Special Palnut	6
	417934-G1	Block Assy. - Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



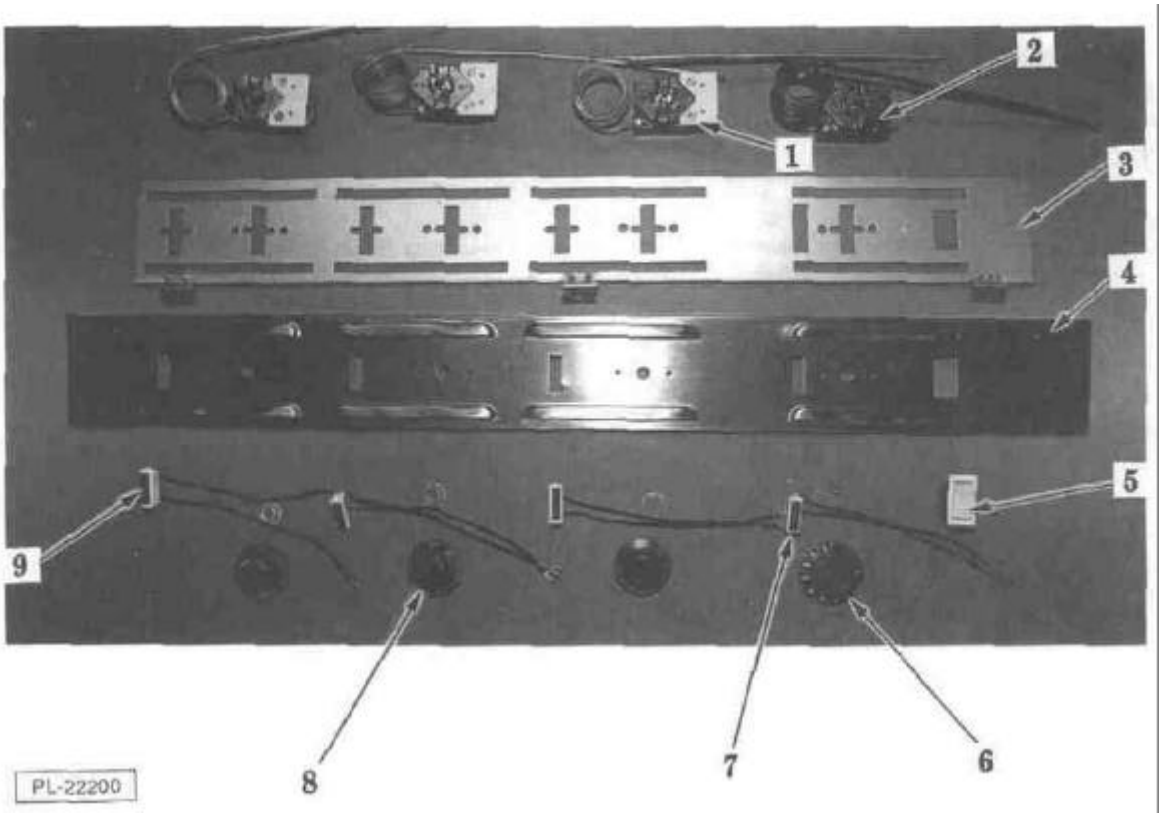
CONTROL PANEL - VR4C
208/240 VOLT

ILLUS. PL-22198	PART NO.	NAME OF PART	AMT.
1	411506-11	Thermostat- Oven	1
2	419901-G1	Stiffener	1
3	419900-G1	Panel – Control	1
4	411496-B1	Switch – Rocker	1
5	417490-1	Dial –Thermostat	1
6	411496-E5	Indicator Light - Oven	1
7	412251-1	Knob - Infinite Switch	6
8	NS-47-80	Locknut 3/8-24 Special Palnut	6
9	411503-4	Switch - Infinite (208/240 V.)	6
	417934-G1	Block Assy. – Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



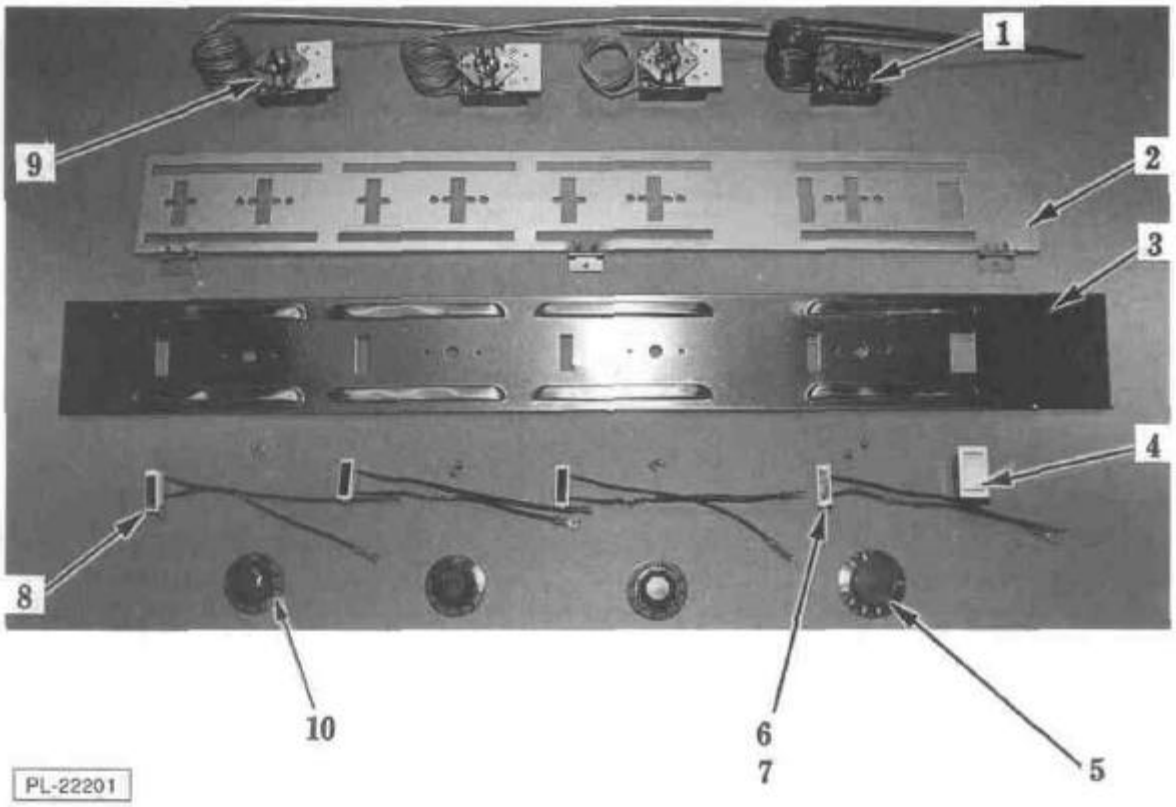
CONTROL PANEL - VR1C & VR3C 480 VOLT

ILLUS. PL-22199	PART NO.	NAME OF PART	AMT.
1	411506-11	Thermostat Oven	1
2	419901-G1	Stiffener	1
3	419900-G1	Panel – Control	1
4	411496-B1,	Switch - Rocker	1
5	417490-1	Dial –Thermostat	1
6	411496-E5	Indicator Light Oven	1
7	417876-1	Resistor- 300K	1
8	413558-1	Knob - Three Heat Switch	6
9	NS-47-80	Locknut 3/8-24 Special Palnut	6
10	355798-1	Switch - 3 Heat Selector	6
	417934-G1	Block Assy Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



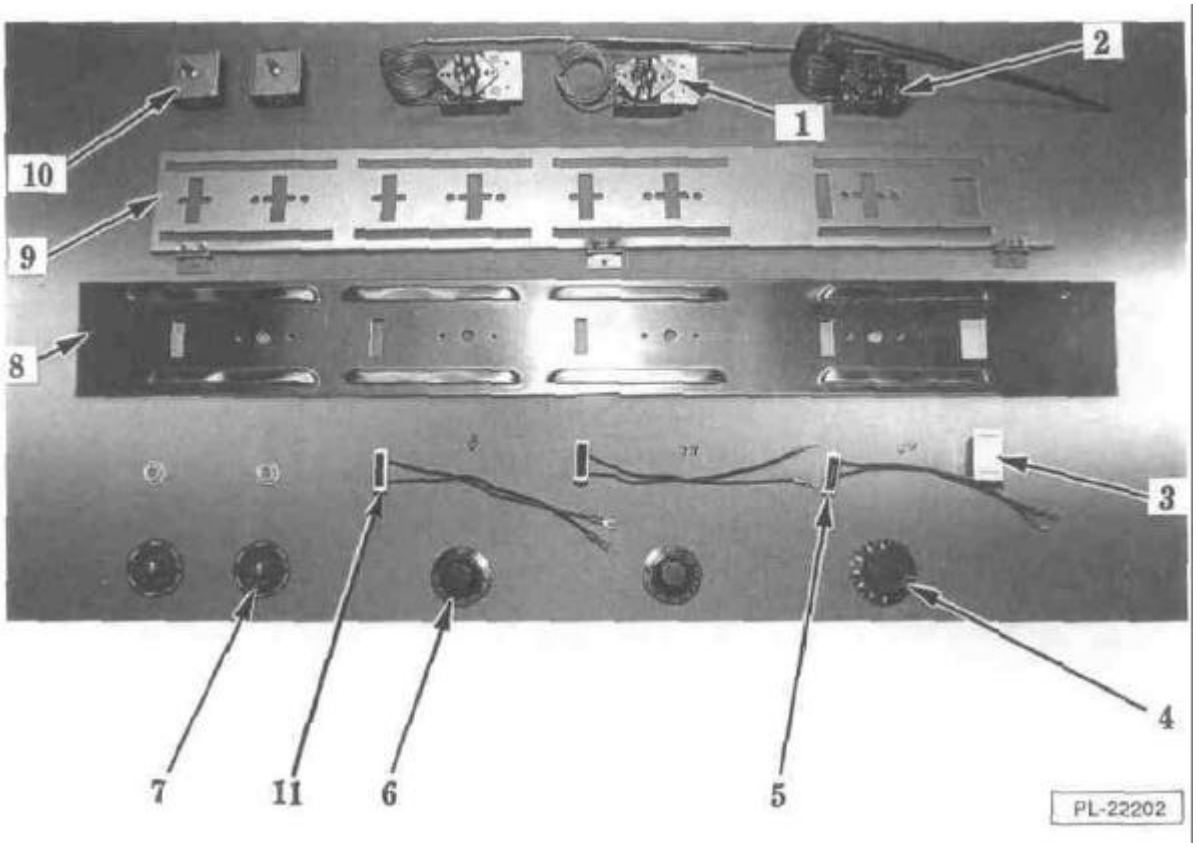
CONTROL PANEL - VR5C
208/240 VOLT

ILLUS. PL-22200	PART NO.	NAME OF PART	AMT.
1	411506-2	Thermostat Griddle (Incls.item 10)	3
2	411506-11	Thermostat- Oven	1
3	419901-G1	Stiffener	1
4	419900-G1	Panel Control	1
5	411496-B1	Switch - Rocker	1
6	417490-1	Dial –Thermostat	1
7	411496-E5	Indicator Light - Oven	1
8	415119-4	Dial - Griddle (200 to 550 Deg. F.)	3
9	411496-E4	Indicator Light - Griddle	3
	417934-G1	Block Assy. – Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



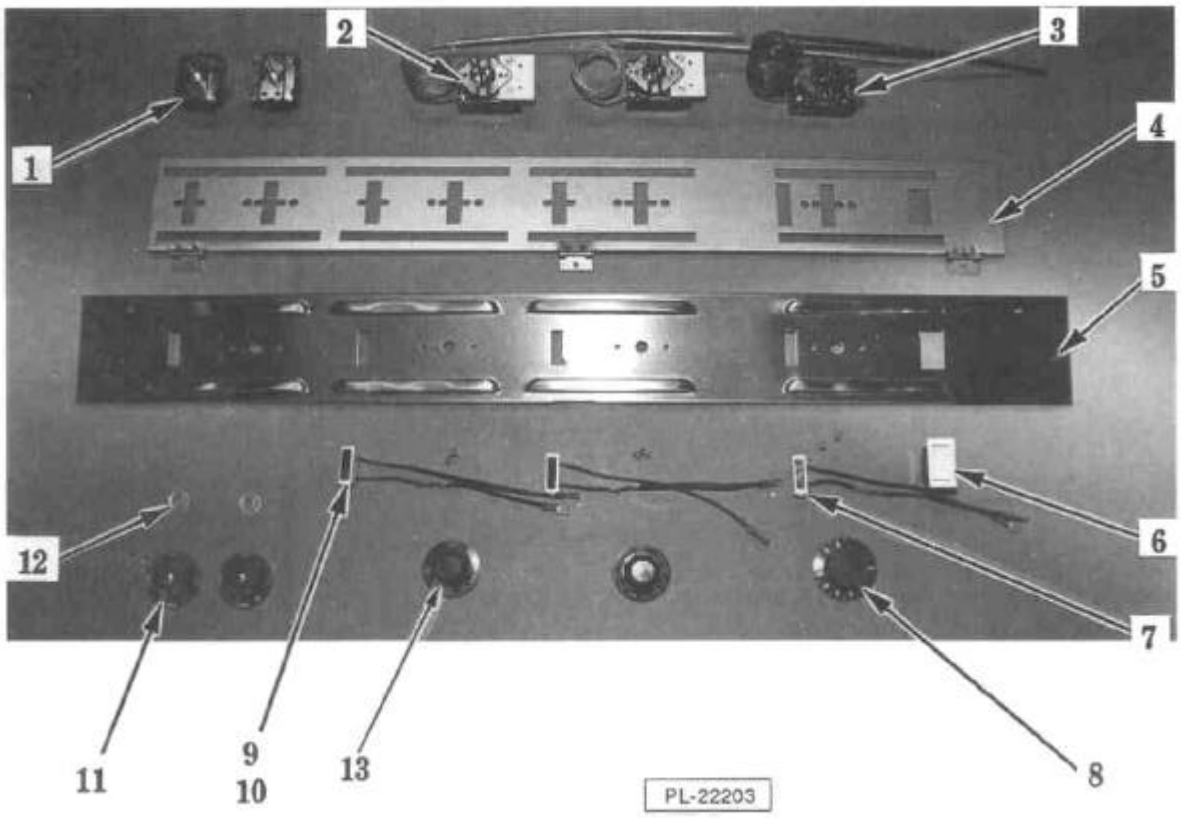
CONTROL PANEL - VR5C 480 VOLT

ILLUS. PL-22201	PART NO.	NAME OF PART	AMT.
1	411506-11	Thermostat- Oven	1
2	419901-G1	Stiffener	1
3	419900-G-l	Panel – Control	1
4	411496-B1	Switch – Rocker	1
5	417490-1	Dial – Thermostat	1
6	411496-E5	Indicator Light - Oven	1
7	417876-1	Resistor - 300K	4
8	411496-E4	Indicator Light – Griddle	3
9	411506-2	Thermostat- Griddle (Incls.item 10)	3
10	415119-4	Dial - Griddle (200 to 550 Deg. F.)	3
	417934-G1	Block Assy. – Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



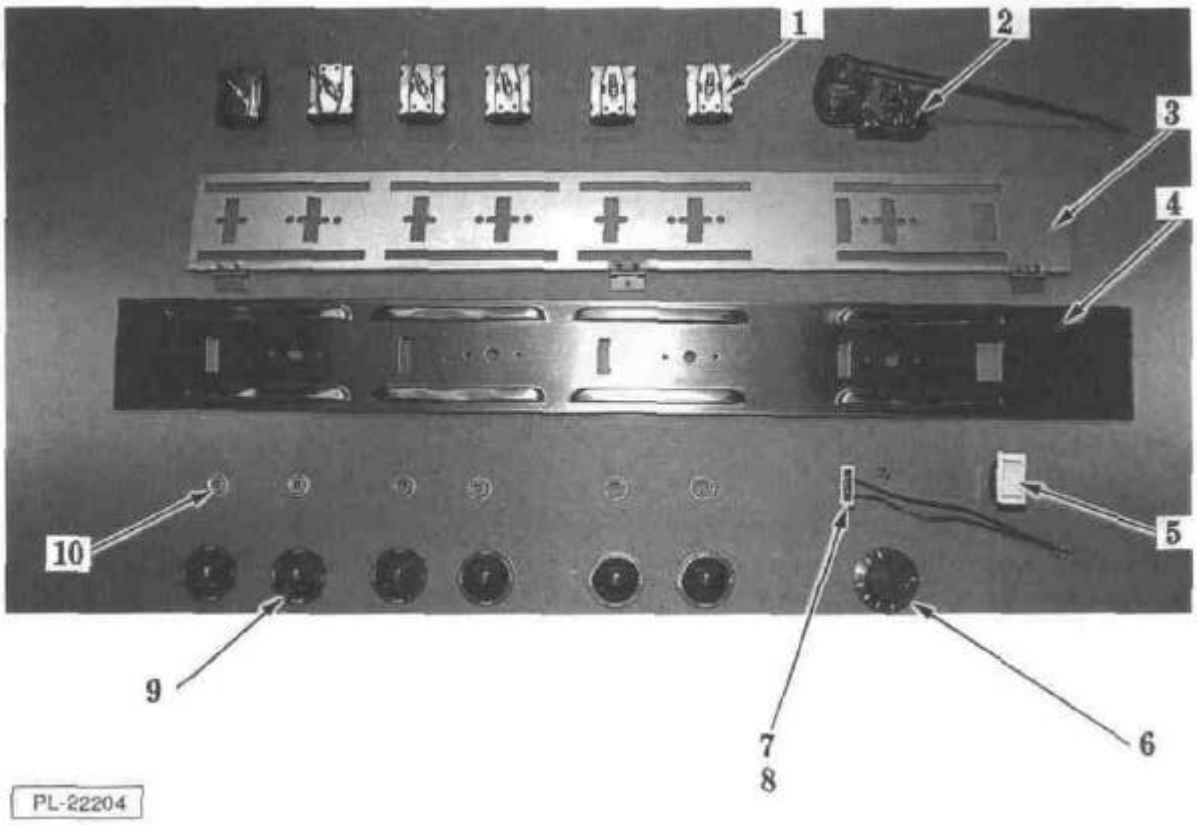
CONTROL PANEL - VR6C
208/240 VOLT

ILLUS. PL-22202	PART NO.	NAME OF PART	AMT.
1	411506-1	Thermostat-All Purpose Plate (Incls. item 6)	2
2	411506-11	Thermostat-Oven	1
3	411496-B1	Switch - Rocker	1
4	417490-1	Dial –Thermostat	1
5	411496-E5	Indicator Light- Oven	1
6	418061-1	Knob - All Purpose Plate	2
7	412251-1	Knob - Infinite Switch	2
8	419900-G1	Panel – Control	1
9	419901-G1	Stiffener	1
10	411503-4	Switch - Infinite (208/240 V.)	2
11	411496-E4	Indicator Light - All Purpose Plate	2
	417934-G1	Block Assy. – Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



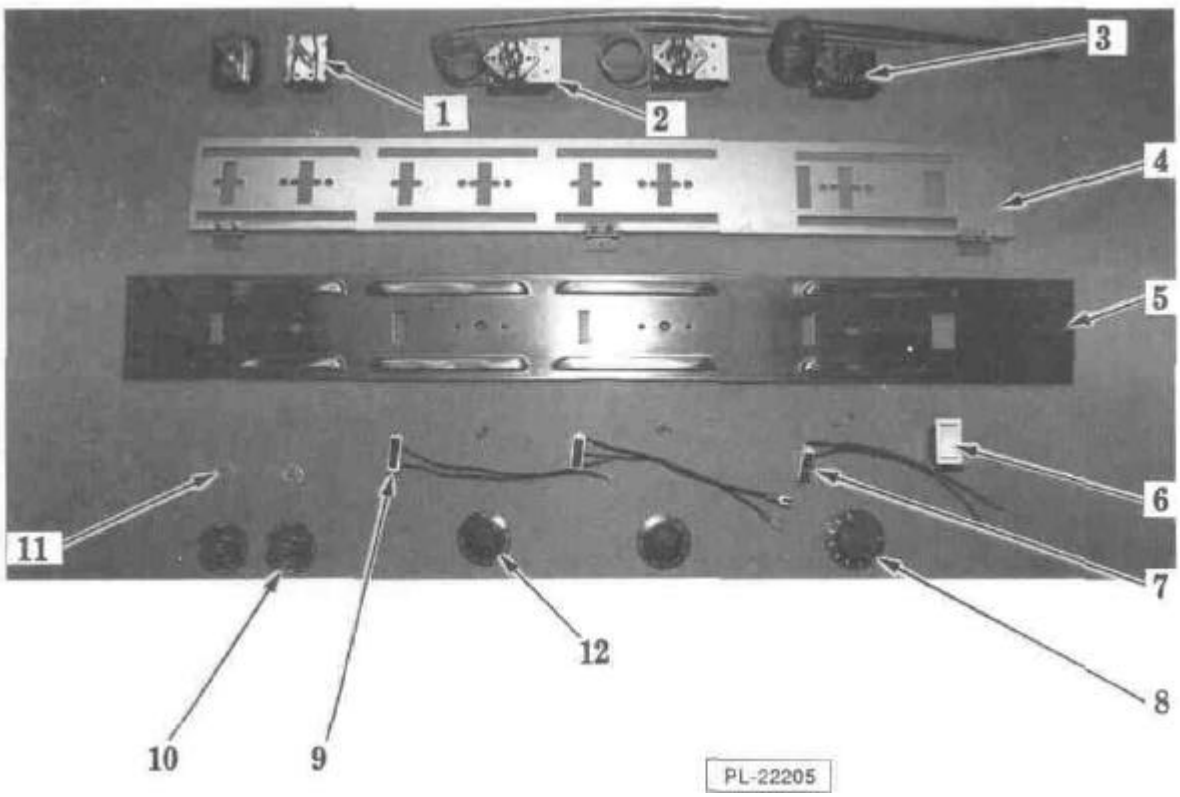
CONTROL PANEL - VR7C 480 VOLT

ILLUS. PL-22203	PART NO.	NAME OF PART	AMT.
1	355798-1	Switch - 3 Heat Selector	2
2	411506-2	Thermostat- Griddle (Incls. item 13)	2
3	411506-11	Thermostat-Oven	1
4	419901-G1	Stiffener	1
5	419900-G1	Panel – Control	1
6	411496-B1*	Switch – Rocker	1
7	411496-E5	Indicator Light - Oven	1
8	417490-1	Dial –Thermostat	1
9	411496-E4	Indicator Light- Griddle	2
10	417876-1	Resistor - 300K	3
11	413558-1	Knob - Three Heat Switch	2
12	NS-47-80	Locknut 3/8-24 Special Palnut	2
13	415119-4	Dial - Griddle (200 to 550 Deg. F.)	2
	417934-G1	Block Assy. - Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



CONTROL PANEL - VR4C 480 VOLT

ILLUS. PL-22204	PART NO.	NAME OF PART	AMT.
1	355798-1	Switch - 3 Heat Selector	6
2	411506-11	Thermostat- Oven	1
3	419901-Q1*	Stiffener	1
4	419900-G1	Panel – Control	1
5	411496-B1	Switch Rocker	1
6	417490-1	Dial Thermostat	1
7	411496-E5	Indicator ligh oven	1
8	417876-1	Resistor - 300K	1
9	413558-1	Knob - Three Heat Switch	6
10	NS-47-80	Locknut 3/8-24 Special Palnut	6
	417934-G1	Block Assy Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2



CONTROL PANEL - VR7C
208/240 VOLT

ILLUS. PL-22205	PART NO.	NAME OF PART	AMT.
1	411503-4	Switch - Infinite (208/240 V)	2
2	411506-2	Thermostat - Griddle (Incis item 12)	2
3	411506-11	Thermostat - Oven	1
4	419901-G1	Stiffener	1
5	419900-GT	Panel - Control	1
6	411496-B1	Switch - Rocker	1
7	411496-E5	Indicator Light - Oven	1
8	417490-1	Dial - Thermostat	1
9	411496-E4	Indicator Light - Griddle	2
10	412251-1	Knob - Infinite Switch	2
11	NS-47-80	Locknut 3/8-24 Special Palnut	2
12	415119-4	Dial - Griddle (200 to 550 Deg F)	2
	417934-G1	Block Assy - Porcelain	3
	FE-23-56	Bushing - Electrical Snap	2